

SOME OBSERVED FEATURES IN THE OCEAN AND  
THE ATMOSPHERE AT LOW LATITUDES OVER THE  
ARABIAN SEA DURING THE PRE-MONSOON 1989

P.M. Jayatilaka Banda  
Dept. of Meteorology, Colombo

The author had the opportunity of working with a team of USSR scientists aboard the Russian Research vessel R/V "OCEAN" in fields of Meteorology, Aerology and Oceanography during the period from 12th April to 9th June 1989. The data used in this study were the data collected in the region from the Equator to latitude  $15^{\circ}$  North and longitude  $52^{\circ}$  to  $65^{\circ}$  East, during the period from 12th April to 10th May 1989.

Some of the observed features in the ocean and the atmosphere during the pre-monsoon 1989 over the Arabian sea area were :-

1. The water in the layer between the surface of the ocean and a depth at 100 metres had a higher heat storage at low latitudes and lower heat storage at high latitudes.
2. The atmosphere over low latitude Arabian sea was more moist than that over high latitude Arabian sea.
3. Most of the depressions that formed during this period was in the above mentioned low latitude sea area.